

STATE OF KANSAS
STATE CORPORATION COMMISSION
200 Colorado Derby Building
Wichita, Kansas 67202

WELL PLUGGING RECORD
K.A.R.-82-3-117

API NUMBER ¹⁵⁻⁰⁹⁷⁻20614 0000

LEASE NAME Rinkel A

TYPE OR PRINT
NOTICE: Fill out completely
and return to Cons. Div.
office within 30 days.

WELL NUMBER 2-11

330' Ft. from ^N Section Line

330' Ft. from ^W Section Line

LEASE OPERATOR ONEOK Exploration / American Energy Recovery SEC. 11 TWP. 28SRGE. 16 (X)or(W)

ADDRESS R.R.#1 Box 122A El Reno, OK 73036-9702

COUNTY Kiowa

PHONE# (405)721-9264 OPERATORS LICENSE NO. 4548

Date Well Completed 4/14/80

Character of Well Oil & Gas

Plugging Commenced 3/08/88

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

Plugging Completed 3/14/88

Did you notify the KCC District Office prior to plugging this well? yes

Which KCC Office did you notify? Dodge City

Is ACO-1 filed? _____ If not, is well log attached? Yes

Producing Formation Miss. Depth to Top _____ Bottom T.D. 4738'

Show depth and thickness of all water, oil and gas formations. Plug back TD - 4708'

OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	Size	Put In	Pulled out
				8 5/8"	368'	none
				5 1/2"	4737'	2700'

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet each set.
4 sx hull, 10 sx jell, 50 sx cement, 10 sx jell, 1 sx hull, plug 120 sx cement, 60/40 POZ
Allied

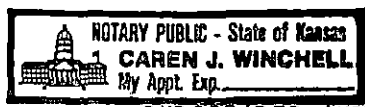
Steve Phiffer and Elmo Morgenstern on location
(If additional description is necessary, use BACK of this form.)

Name of Plugging Contractor Clarke Corporation License No. 5105

Address P.O. Box 187 Medicine Lodge, Ks 67104

STATE OF Kansas COUNTY OF Barber, ss.

Elmo Morgenstern (Employee of Operator) or (Operator) of above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed that the same are true and correct, so help me God.



RECEIVED Signature: Elmo Morgenstern
STATE CORPORATION COMMISSION (Address) Medicine Lodge, Ks 67104

SUBSCRIBED AND SWORN TO before me this 15 day of March, 19 88

My Commission Expires: Wichita, Kansas 21, 1992
Notary Public

WELL COMPLETION REPORT AND DRILLER'S LOG

API No. 15 — 097 — 20614 *0000*
 County Number

S. 11 T. 28 R. 16 ^N/_W

Loc. NW NW NW

County Kiowa

Operator

Imperial Oil Company

Address

720 Fourth Financial Center, Wichita, KS 67202

Well No.

2-11

Lease Name

RINKEL "A"

Footage Location

330 feet from (N) line 330 feet from (E) (W) line

Principal Contractor

Red Tiger Drlg. Co.

Geologist

Peter J. Stubbs

Spud Date

3/6/80

Date Completed

4/14/80

Total Depth

RTD 4738'

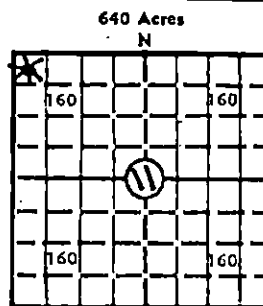
P.B.T.D.

Directional Deviation

NA

Oil and/or Gas Purchaser

Parmin & Panhandle Eastern



Elev.: Gr. 2121

DF 2123 KB 2126

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12 1/2"	8 5/8"	28#	368'			
Production		5 1/2"		4737'	LW Common	75 125	18% salt, 3/4% CFR-2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4		4683-88'

Size	Setting depth	Packer set at

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
750 gals. 7 1/2% MCA	4683-88'
Foam frac-450 MCF nitro	4683-88'

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
		Flowing			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	CFPB
	20.9	341	MCF		
Disposition of gas (vented, used on lease or sold)			Producing interval (s)		
To be sold			4683-88' (Miss.)		

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

STATE CORPORATION COMMISSION
 CONSERVATION DIVISION
 Wichita, Kansas

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:

Operator

Imperial Oil Company

15-097-20614-0000

Well No.

2-11

Lease Name

RINKEL "A"

Gas & Oil

S 11 T 28 R 16 ^X W

Kiowa Co., Kansas

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #1 3471-80' Misrun				E-Log Tops
DST #2 3471-80' 60/60/60/60 GTS/60", gauged 13 MCF Rec. 15' DM, 50' MSW & 185' SW IFP: 39-97# ISIP: 1121# FFP: 97-136# FSIP: 1246#			Heebner Brown Lime Lansing B/KC Cherokee Shale Cherokee Sand	3984 (-1858) 4139 (-2013) 4153 (-2027) 4503 (-2377) 4634 (-2508) 4651 (-2525)
DST #3 4611-59' 60/120/180/120 GTS/9", gauged 19 MCF Rec. 120' O & 400' O&GCM IFP: 84-167# ISIP: 1080# FFP: 111-269# FSIP: 1053#			Eros. Miss. Miss. Kind. Shale Kind. Sand LTD	4672 (-2546) 4682 (-2556) 4696 (-2570) 4715 (-2589) 4741 (-2615)
DST #4 4660-81' 15/30/5/30 GTS/1", gauged 5690 MCF w/spray of oil to surface. Rec. 300' CGO IFP: 1034-1053# ISIP: 1283# FFP: 1034-1062# FSIP: 1283#				
DST #5 4682-97' 50/60/10/60 GTS/2", gauged 550 MCF, spray oil to surface. Rec. 1200' CGO IFP: 223-464# ISIP: 1283# FFP: 371-427# FSIP: 1283#				
DST #6 4721-41' 30/30/30/30 Rec. 15' DM IFP: 28-28# ISIP: 121# FFP: 28-28# FSIP: 56#				

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

RECEIVED
STATE CORPORATION COMMISSION

MAR 16 1988

Robert C. Spurlink
Signature

Attorney-in-Fact

April 29, 1980

Title

Date

DRILLERS LOG

No. 2-11 Rinkel "A"

CASING RECORD:	COMPANY:	Imperial Oil Company	DESCRIPTION:
8 5/8" @ 368' w/300 sx cement	CONTRACTOR:	Red Tiger Drilling Company	NW/4 NW/4 NW/4 Sec. 11-T28S-R16W Kiowa County, Kansas
5 1/2" @ 4,737' w/200 sx cement	COMMENCED:	March 6, 1980	
TOTAL DEPTH: 4,738'	COMPLETED:	March 19, 1980	ELEVATION: 2,126' KB

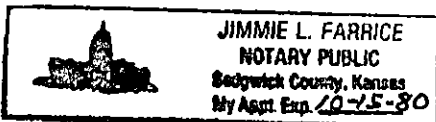
<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Sand	0	370	
Sand & Red Bed	370	540	
Shale	540	2390	
Shale & Lime	2390	2925	
Lime & Shale	2925	3125	
Shale & Lime	3125	3320	
Lime	3320	3790	
Lime & Shale	3790	4310	
Lime	4310	4738	
RTD		4738	

I certify that this is a true and correct copy of the above log to the best of my knowledge.

RED TIGER DRILLING COMPANY

Gloria Fawcett
Gloria Fawcett

described and sworn to before me this 25th day of March, 1980.



Jimmie L. Farrice
Notary Public

RECEIVED
STATE CORPORATION COMMISSION

MAR 16 1980

CONSERVATION DIVISION
Wichita, Kansas

RECEIVED
STATE CORPORATION COMMISSION
MAR 28 1980
CONSERVATION DIVISION
Wichita, Kansas